

Abstract of the Disclosure

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A high-pressure treatment apparatus comprises a first
solid reservoir, a second solid reservoir connected to the
first solid reservoir through a first connecting pipe, a
5 high-pressure reactor connected to the second solid reservoir
through a second connecting pipe, means for feeding reaction
medium into the high-pressure reactor, a first sealing unit
and a second sealing unit intervened respectively in the
first connecting pipe and second connecting pipe, a first
10 fluid feed unit for feeding a first fluid between the first
sealing unit and the second sealing unit, a second fluid feed
unit for feeding a second fluid between the second sealing
unit and the high-pressure reactor, and means for opening the
second sealing unit at the time of shut-off of the first
15 sealing unit and controlling the first fluid and the second
fluid to form a pressure-gradient so that pressure between
the first sealing unit and the second sealing unit and
pressure between the second sealing unit and the high-
pressure reactor decrease gradually toward the high-pressure
20 reactor.